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NOTICE OF ALLOWANCE AND FEE(S) DUE

79697 7590 06/24/2010

Cooper & Dunham, LLP
30 Rockefeller Plaza
20th Floor
New York, NY 10112

EXAMINER

WEATHERBY, ELLSWORTH

ART UNIT

PAPER NUMBER

3768

DATE MAILED: 06/24/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/723,486

11/26/2003

Kenneth F. DeFreitas

1166/71117

9531

TITLE OF INVENTION: X-RAY MAMMOGRAPHY WITH TOMOSYNTHESIS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/24/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
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P.O. Box 1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

79697 7590 06/24/2010

Cooper & Dunham, LLP
30 Rockefeller Plaza
20th Floor
New York, NY 10112

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/723,486 11/26/2003 Kenneth F. DeFreitas 1166/71117 9531

TITLE OF INVENTION: X-RAY MAMMOGRAPHY WITH TOMOSYNTHESIS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional NO \$1510 \$300 \$0 \$1810 09/24/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
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WEATHERBY, ELLSWORTH 3768 600-427000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/723,486	11/26/2003	Kenneth F. DeFreitas	1166/71117	9531
79697	7590	06/24/2010	EXAMINER	
Cooper & Dunham, LLP 30 Rockefeller Plaza 20th Floor New York, NY 10112			WEATHERBY, ELLSWORTH	
			ART UNIT	PAPER NUMBER
			3768	
DATE MAILED: 06/24/2010				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1534 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1534 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

10/723,486

Applicant(s)

DEFREITAS ET AL.

Examiner

ELLSWORTH WEATHERBY

Art Unit

3768

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/05/2010.
2. ☒ The allowed claim(s) is/are 57-100.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date ____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input checked="" type="checkbox"/> Other <u>edanCLM03052010</u> . |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ivan Kavrukov (Reg. No. 25,161) on 04/09/2010.

The application has been amended as follows:

Claims 1-56 have been canceled.

Claim 58, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 59, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 60, Line 1, "A method as in claim 59 in which" has been changed to --The method of claim 59, wherein--.

Claim 61, Line 1, "A method as in claim 57 in which" has been changed to --The

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method of claim 57, wherein--.

Claim 62, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 63, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 64, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 65, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 66, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 67, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 68, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 69, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 70, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 71, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 72, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 73, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 74, Line 1, "A method as in claim 57" has been changed to --The method of claim 57--.

Claim 75, Line 1, "A method as in claim 57" has been changed to --The method of claim 57--.

Claim 76, Line 1, "A method as in claim 57" has been changed to --The method of claim 57--.

Claim 77, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 78, Line 1, "A method as in claim 57 in which" has been changed to --The method of claim 57, wherein--.

Claim 79, Line 3, "support immobilizing" has been changed to --support configured to immobilize--.

Line 5, "support selectively moving" has been changed to --support configured to selectively move--.

Line 7, "control selectively energizing" has been changed to --control configured to selectively energize--.

Line 13, "x-ray source applies" has been changed to --x-ray source is configured to apply--.

Line 17, "anti-scatter grid selectively movable" has been changed to --anti-scatter grid configured to be selectively movable--.

Line 20, "processor using" has been changed to --processor configured to use--.

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Lines 21-22, "mammogram image and tomosynthesis images of the breast" has been changed to --mammogram image for display and tomosynthesis images of the breast for display--.

Claim 80, Line 1, "A system as in claim 79 in which the control energizes" has been changed to --The system of claim 79, wherein the control is configured to energize--.

Claim 81, Line 1, "A system as in claim 79 in which the control energizes" has been changed to --The system of claim 79, wherein the control is configured to energize--.

Claim 82, Line 1, "A system as in claim 79 in which the control energizes" has been changed to --The system of claim 79, wherein the control is configured to energize--.

Claim 83, Line 1, "A system as in claim 79 in which the control energizes" has been changed to --The system of claim 79, wherein the control is configured to energize--.

Claim 84, Line 1, "A system as in claim 79 in which the control energizes" has

been changed to --The system of claim 79, wherein the control is configured to energize--.

Claim 85, Line 1, "A system as in claim 79 in which the processor forms" has been changed to --The system of claim 79, wherein the processor is configured to form--.

Claim 86, Line 1, "A system as in claim 79 in which the processor forms" has been changed to --The system of claim 79, wherein the processor is configured to form--.

Claim 87, Line 1, "A system as in claim 79 in which the control places" has been changed to --The system of claim 79, wherein the control is configured to place--.

Claim 88, Line 1, "A system as in claim 79 in which the control places" has been changed to --The system of claim 79, wherein the control is configured to place--.

Claim 89, Line 1, "A system as in claim 79 in which the control places" has been changed to --The system of claim 79, wherein the control is configured to place--.

Claim 90, Line 1, "A system as in claim 79 in which the control places" has been changed to --The system of claim 79, wherein the control is configured to place--.

Claim 91, Line 1, "A system as in claim 79 in which the control energizes" has been changed to --The system of claim 79, wherein the control is configured to energize--.

Claim 92, Line 1, "A system as in claim 79 in which the source" has been changed to --The system of claim 79, wherein the source--.

Claim 93, Line 1, "A system as in claim 79 in which the source emits" has been changed to--The system of claim 79, wherein the source is configured to emit--.

Claim 94, Line 1, "A system as in claim 79 in which the source emits" has been changed to--The system of claim 79, wherein the source is configured to emit--.

Claim 95, Line 1, "A system as in claim 79 in which the control moves" has

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been changed to--The system of claim 79, wherein the control is configured to move--.

Claim 96, Line 1, "A system as in claim 79 including at least one display" has been changed to --The system of claim 79, comprising at least one display configured for--.

Claim 97, Line 1, "A system as in claim 79 including at least one display" has been changed to --The system of claim 79, comprising at least one display configured for--.

Claim 98, Line 1, "A system as in claim 79 including at least one display" has been changed to --The system of claim 79, comprising at least one display configured for--.

Claim 99, Line 1, "A system as in claim 79 in which the processor forms" has been changed to --The system of claim 79, wherein the processor is configured to form--.

Claim 100, Line 1, "A system as in claim 79 in which the processor forms" has been changed to --The system of claim 79, wherein the processor is configured to form--.

Claims 101-122, Have been canceled.

2. The following is an examiner's statement of reasons for allowance: The closest prior art discloses acquiring variable dosage tomosynthesis for dose management. However, the present invention acquires tomosynthesis and mammographic images on the same device where the tomosynthesis images are acquired at a lower dose than the mammography images. It is not obvious to modify the prior art to acquire mammography images because the prior art merely attempts to reduce exposure for tomosynthesis image and there is no suggestion or motivation to acquire a higher dose mammography image.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ELLSWORTH WEATHERBY whose telephone number is (571) 272-2248. The examiner can normally be reached on M-F 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on (571) 272-2248. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/EW/

/Long V Le/
Supervisory Patent Examiner, Art Unit 3768